

Blaise Team Presents

Agenda

- * Monday – Blaise 5
 - * Current Status
- * Tuesday – Blaise 4
 - * What's new in 4.8.3 and 4.8.4
- * Wednesday – Blaise 5
 - * Architecture
- * Thursday – Blaise 5
 - * Data handling

Blaise 5

Project Phases

- * Phase 1 – Control Centre & Layout
- * Phase 2 – Rules Engine / Data Storage
- * Phase 3 – Manipula / Manipulus
- * Phase 4 – Case Management

Phase 1

- * Control Centre
 - * Parser
- * Layout
 - * XAML based
 - * WYSIWYG design
- * Data Entry
 - * WPF and Silverlight
- * Released December 2009

Phase 2

- * Rules Engine
 - * Rewrite of the rules engine
- * Data Storage
 - * SQLite as replacement for bdb files
- * Released December 2011

Current Status

- * Development Environment
- * Runtime Environment
- * Data Entry Clients

Development Environment

- * WPF (Windows Presentation Foundation) based
- * .NET 4.0 required
- * Windows only

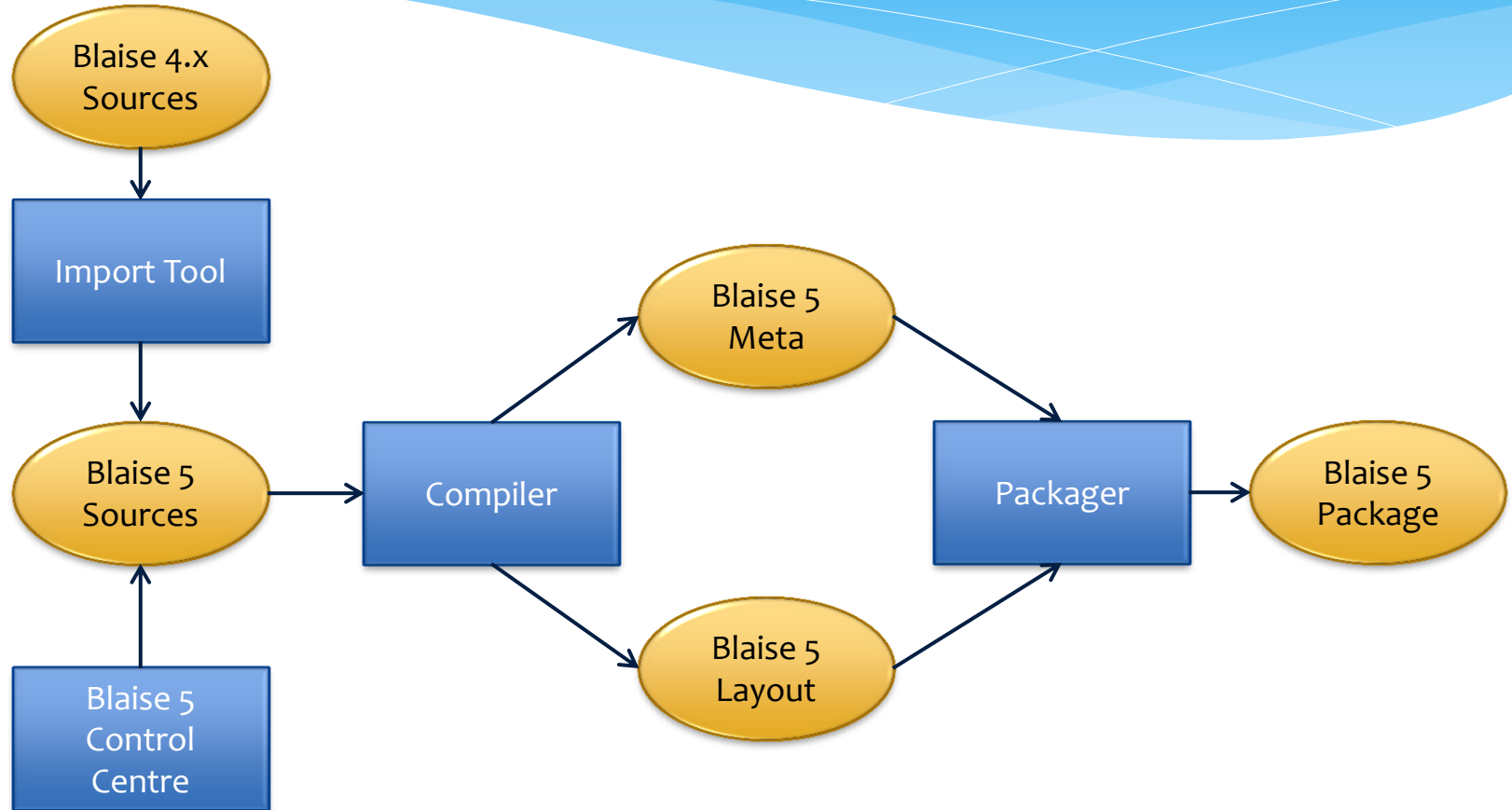
Runtime Environment

- * SOA (Service Oriented Architecture)
 - * Scalable
 - * Standardization
- * Role-based
 - * Web
 - * Data Entry (Rules)
 - * Resource
 - * Data

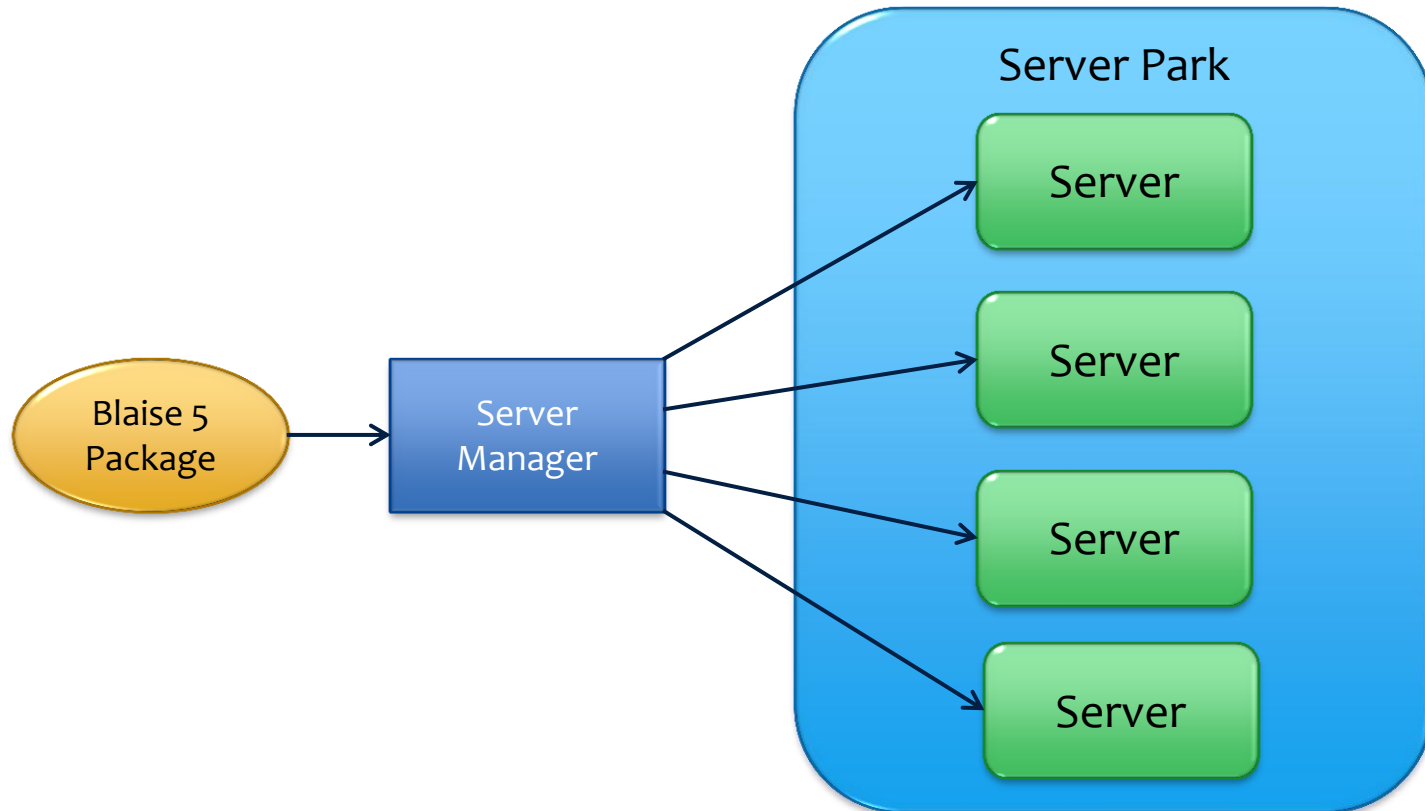
Data Entry Clients

- * Windows Data Entry Client
 - * WPF based
 - * Windows only
- * Silverlight Data Entry Client
 - * Runs in a browser
 - * Any platform that supports Silverlight

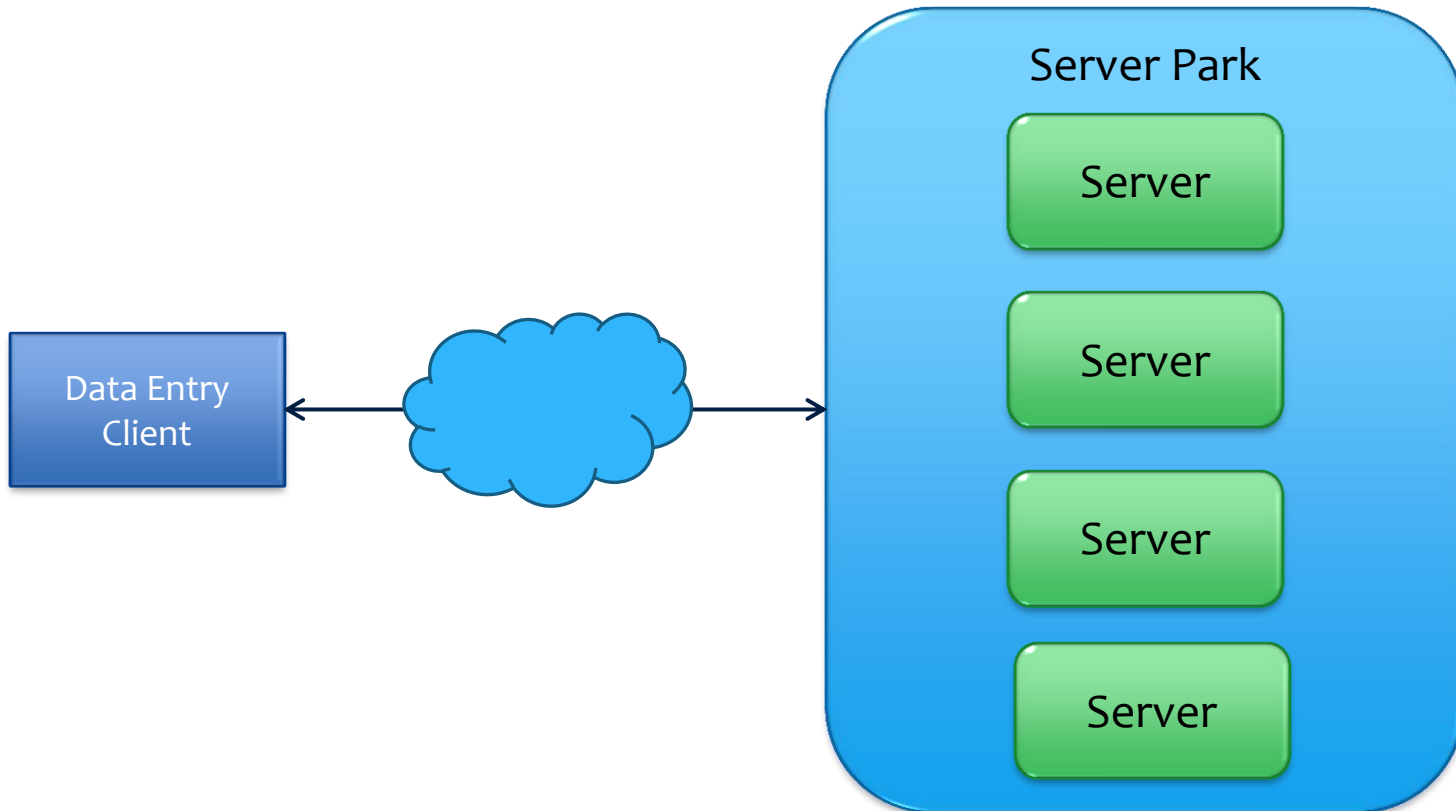
Development Architecture



Runtime Environment



Data Entry Clients



Development Environment

- * Ribbon interface
- * Syntax highlighting
- * Code snippets
- * Code completion
- * Regions
- * Unicode
- * Background compiler

File Home Source Help

Clipboard: Paste, Copy, Cut, Undo, Redo

Editing: Select All, Document, Find and Replace, Match Case, Match Whole Word

Miscellaneous: Collapse All, Indent, Outdent

Snippets: Alien procedure, Block, Classification, Datamodel, External declaration, External in rules, Field, Flight Survey, For loop, If statement, Library, Manipula, Repeat statement, While statement

Find and Replace

```

1  {
2  Datamodel: FlightSurvey
3  Date Created: $created$
4  Author: $user$
5  }
6
7  datamodel FlightSurvey
8
9  type
10  TMyEnum = (Yes "Yes, please", No "No, thank you")
11
12
13  block BPerson
14  fields
15  FirstName "What is your name?" : string[20]
16  LastName "What is your last name?" : string[20]
17  Age "What is your age?": 0..150
18  Town "Where do you live?": string[20]
19  rules
20  FirstName.ASK
21  LastName.ASK
22  Age.ASK
23  Town.ASK
24  endblock
25
26
    
```

Solution Explorer

- Test Solution
 - Test
 - Test.blax
 - Test.bird

Source Meta Settings Layout

Errors

Type	Line	Col	Message	FileName

Output

Layout

- * WYSIWYG interface
- * Based on XAML
 - * eXtensible Application Markup Language

Master Pages | NewPage | Grid | Field Panes | Remove | Styles | LayoutSets | Change culture settings | Set default layout instruction settings

Find and Replace

1
2
3

FlightSurvey > Interviewing > <Main Parallel> Page: 1

1 FlightSurvey

What is your name?

What is your last name?

What is your age?

Where do you live?

Page: 1 of 3, Field = Person.FirstName

Previous Next

FieldName	Person.FirstName
FieldPaneName	DefaultFieldPane
FieldType	String
GridAfterName	

Background	#00FFFFFF
ErrorText.Heigh	NaN
ErrorText.Horiz	Stretch
ErrorText.Margi	5,5,5,5

FlightSurvey

What is your name?

What is your last name?

What is your age?

Where do you live?

What is your name?

Silverlight

Enter a valid value

Person.FirstName

Person.LastName

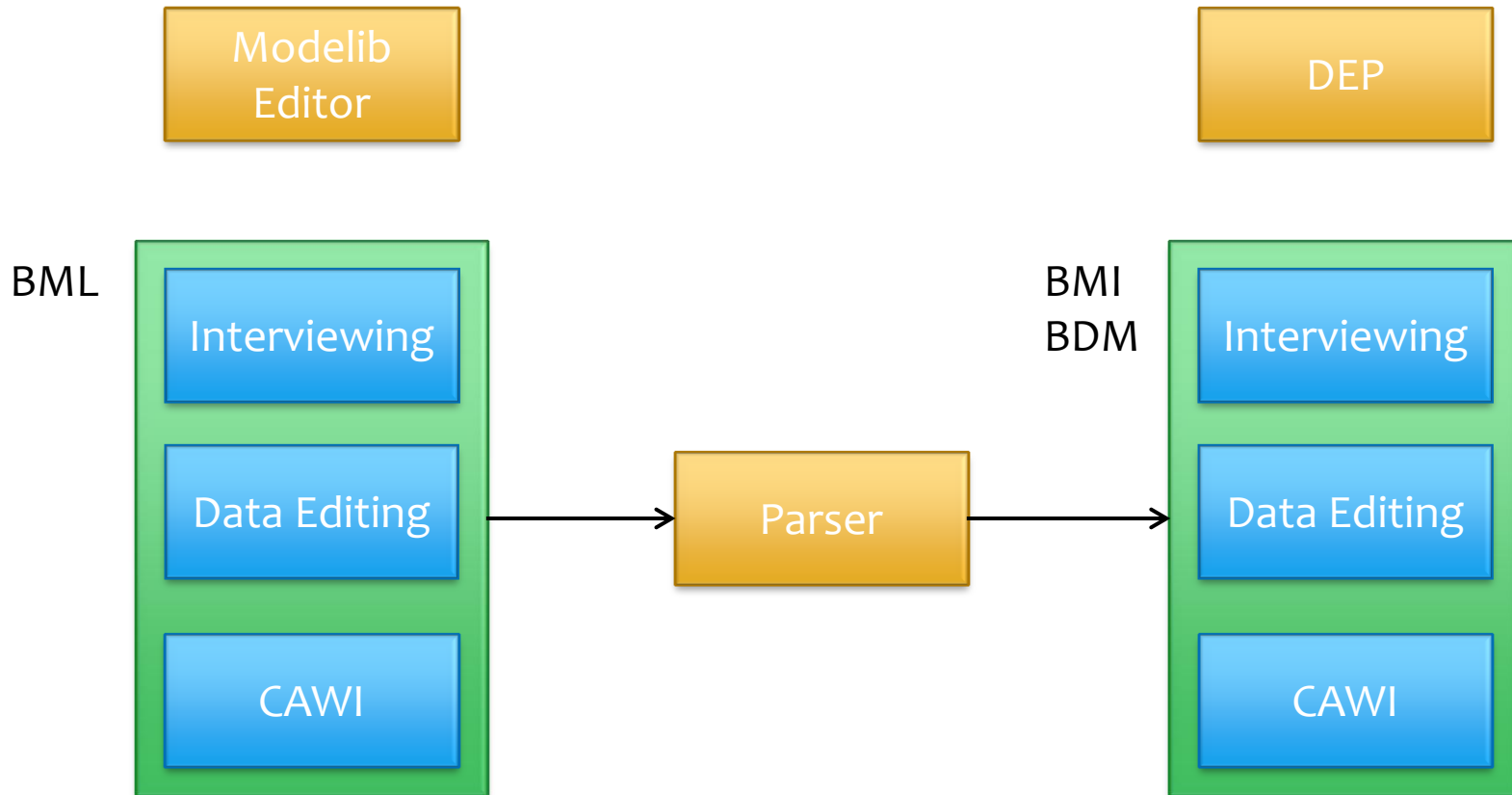
Person.Age

Person.Town

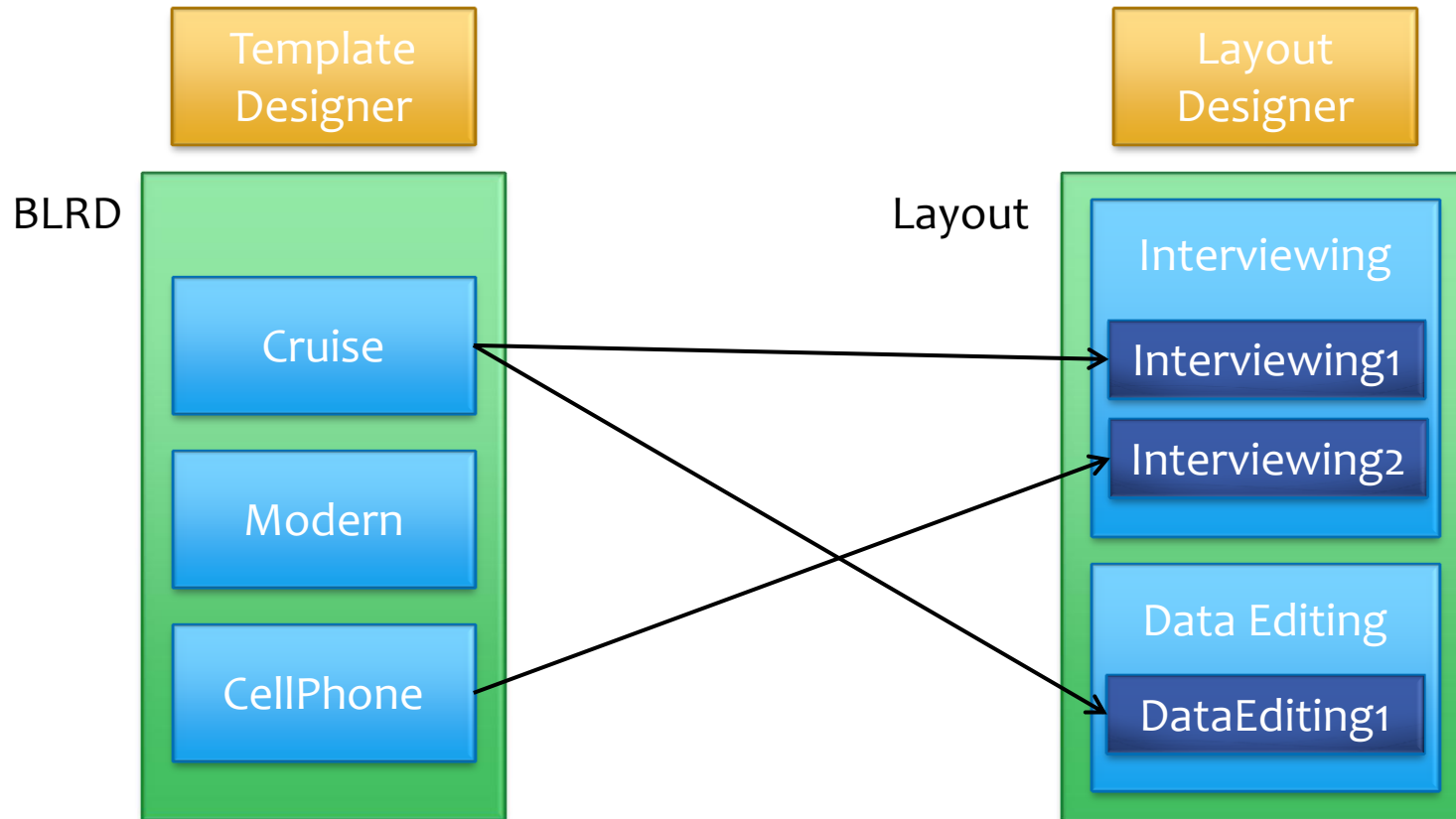
Layout

* Demo

Layout Sets (Blaise 4)



Layout Sets (Blaise 5)



Resource Sets

* Demo

What's next

What's next

- * Client platform
 - * Silverlight is not the way to go ☹️
 - * Support for popular platforms
 - * HTML, IOS, Android, Windows Phone
 - * Layout redesign needed

What's next

- * Platform discussion
- * Server platform
 - * Add support for Unix
 - * Installation/testing problems

What's next

- * Grouping
- * Source Control Integration
- * Paradata